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ATTORNEY DOCKET NO. PDNO 10031002-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): John KENNY et al.

Serial No.: 10/748,043

Examiner: Shawn Riley

Filing Date: December 31, 2003

Group Art Unit: 2838

Title: PROGRAMMABLE POWER SUPPLY HAVING DIGITALLY IMPLEMENTED SLEW RATE CONTROLLER

COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- ☒ Response/Amendment ☐ Petition to extend time to respond  
☐ New fee as calculated below ☐ Supplemental Declaration  
☒ No additional fee (Address envelope to "Mail Stop Amendments")  
☐ Other: (Fee \$ \_\_\_\_\_)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	20	MINUS	20	= 0	X 50	\$ 0
INDEP. CLAIMS	3	MINUS	3	= 0	X 200	\$ 0
<input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ 360	\$ 0
EXTENSION FEE	1 <sup>ST</sup> MONTH 120.00 <input type="checkbox"/>	2 <sup>ND</sup> MONTH 450.00 <input type="checkbox"/>	3 <sup>RD</sup> MONTH 1020.00 <input type="checkbox"/>	4 <sup>TH</sup> MONTH 1590.00 <input type="checkbox"/>		\$ 0
OTHER FEES						\$ 0
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 50-1078. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 50-1078 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-1078 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this transmittal letter is enclosed.

Respectfully submitted,

John KENNY et al.

By

John H. Stowe

Attorney/Agent for Applicant(s)

I hereby certify that this correspondence is being Deposited with the United States Postal Service as First class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date of Deposit:

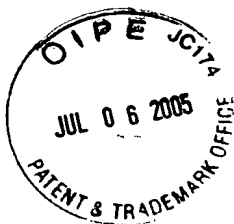
Typed Name:

Signature: \_\_\_\_\_

Reg. No. 32,863

Date: July 6, 2005

Telephone No. 202-216-9505 Ext 231



Docket No.: 10031002-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of:

John KENNY et al.

Serial No. 10/748,043

Group Art Unit: 2838

Confirmation No. 6826

Filed: December 31, 2003

Examiner: Shawn Riley

For: PROGRAMMABLE POWER SUPPLY HAVING DIGITALLY IMPLEMENTED SLEW  
RATE CONTROLLER

**RESPONSE**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

This is in response to the Office Action mailed April 29, 2005, and having a period for response set to expire on July 29, 2005.

The following remarks are respectfully submitted. Reconsideration of the claims is respectfully requested. Claims 1-20 are pending and under consideration.

**The Rejection:**

At page 2 of the Office Action, claim 1 is rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent 4,743,815 to Gee et al. This rejection is respectfully traversed. Anticipation requires the disclosure in a single prior art reference of each feature recited in the claim, arranged as in the claim.

Claim 1 relates to a power supply in which a slew rate of DC power is controlled from a present value to a final value. Gee et al. is related to regulating a speed of a motor to a desired level. Although Gee et al. adjust a voltage to regulate the speed of the motor, there is no disclosure that the slew rate of the adjusted voltage is controlled. The portion of Gee et al. referenced by the Examiner, i.e., col. 8, lines 36-48, mentions the words "slew rate;" however, as disclosed at col. 8, lines 41-48, "Variable VQ1 is updated by adding to its previous value a constant VQID which is the VQ1 slew rate. Once variable VQ1 is updated, time per step TS is set equal to a function of VQ and VQ1 from a look-up table to obtain the frequency from the voltage." That is, a constant value of slew rate VQID is used along with a

measured value of a DC voltage to determine a frequency of the motor; however the slew rate of a DC voltage is not controlled.

Thus, Gee et al. do not disclose "a digitally implemented slew rate controller which regulates a slew rate of a voltage of the DC power by changing a present value of the drive voltage supplied to the output circuit by incremental values at predetermined intervals to arrive at a final value of the drive voltage so that a maximum output current rating and a maximum output power rating of the output circuit are not exceeded at any value of the drive voltage while slewing the voltage of the DC power from the present value to the final value," as recited in claim 1.

**Allowable Subject Matter:**

At page 3 of the Office Action, claims 11-20 are indicated as allowable and claims 2-10 are objected to as being dependent on a rejected base claim, but would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims.

**Conclusion:**

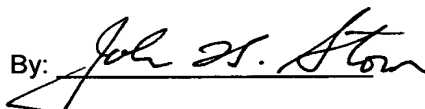
There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 50-1078.

Respectfully submitted,

Date: 7/6/05

By: 

John H. Stowe  
Registration No. 32,863

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